

## IDENTIFYING TECHNOLOGIES TO CONVERT CO<sub>2</sub> INTO LIQUID FUELS



### A Global Renewable Energy Company

The Client was a large energy company that develops, constructs, and operates renewable energy power plants and energy storage facilities globally that was looking for technologies to convert captured CO<sub>2</sub> (together with H<sub>2</sub>) into liquid fuels in order to meet their carbon neutral goal by 2025.



### CHALLENGE

The Client engaged PreScouter to help identify companies that would be able to build conversion plants for them. The challenges for PreScouter were to identify potential partners, obtain the maturity level and due diligence information that was not publicly available, and compare the different technologies that were available.



### APPROACH

PreScouter tackled the Client's challenge by first gathering publicly available info from databases, search engines, research articles, etc. The PreScouter team then reached out to the most promising targets to collect more information and also engaged a Subject Matter Expert for additional insights. The list of **22 organizations** that PreScouter identified and profiled was narrowed down to 10 after conducting due diligence and then shortlisted to the **top 3 potential partners** after a thorough evaluation based on the Client's requirements.



### OUTCOME

PreScouter extracted and compared key metrics, including efficiency, H<sub>2</sub> consumption, waste heat recovery, intermittency of input, and cost for each technology in a table and easy-to-read graphs. This analysis enabled PreScouter to provide insights that were not available on the market and to recommend the optimal technologies to the Client.



**Impact of PreScouter's Work: The Client immediately engaged PreScouter to investigate different ways to capture CO<sub>2</sub> and invested in construction of a large-capacity liquid fuel plant.**